

OK TO ENTER: /J.L./

08/10/2011

PATENT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant:	SOIUSSI ET AL.)	
)	Examiner J. Lee
Appl. No.	09/651,382)	
)	Art Unit 2618
Confirm. No.	9462)	
)	Atty. Docket No. PF01963NA
Filed:	19 August 2000)	
Title:	"Method of Enabling Low Tier Location Applications"		

REPLY TO OFFICE ACTION DATED 13 June 2011

Assistant Commissioner for Patents
Alexandria, Virginia 22313

Sir:

This communication is responsive to the Office Action, mailed June 13, 2011, concerning the above-identified application and is timely filed within the three month shortened statutory period for a response. This reply is provided in response to the Office Action in accordance with 37 CFR § 1.111, 37 CFR § 1.115, or 37 CFR § 1.116. Applicant submits the following amendment and remarks and respectfully requests the Examiner to reconsider the rejections made in the Office Action and to allow the claims to issue.

Kindly amend the application as indicated below.

Amendments to the Claims are reflected in the listing of the claims, which begins on page 2 of this paper.

Remarks begin on page 6 of this paper.

In the Claims

Claims 1-33 (Canceled).

34. (Currently Amended) A method in a mobile wireless communication handset, comprising:

receiving base station location information of a cellular communication base station;

receiving base station cellular area information for the cellular communication base station for which the base station location information is received;

receiving a bearing and bearing angular width information for the cellular communication base station;

determining, at the mobile wireless communication handset, a coarse location of the mobile wireless communication handset based on the base station location information, the base station cellular area information, the bearing and the bearing angular width information, and on the cellular area information.

35. (Previously Presented) The method of Claim 34, determining a refined location of the mobile wireless communication handset based on the coarse location.

36. (Previously Presented) The method of Claim 34, the mobile wireless communication handset is a global positioning system (GPS) enabled mobile wireless communication handset, determining a GPS based location of

the mobile wireless communication handset, reducing a GPS search space with the coarse location when determining the GPS based location of the mobile wireless communication handset.

37. (Canceled)

38. (Currently Amended) The method of Claim 34 [[37]], measuring power of a signal transmitted by the cellular communication base station, determining the coarse location of the mobile wireless communication handset based on the base station location information, the base station cellular area information, the bearing and the bearing angular width information, and the power measurement.

39. (Canceled)

40. (Canceled)

41. (Canceled)

42. (Canceled)

43. (Canceled)

44. (Canceled)

45. (Canceled)

46. (Canceled)

47. (Currently Amended) A method in a cellular communication system comprising a network of cellular base stations, the method comprising:

transmitting base station location information from at least one cellular base station;

transmitting a cellular area of the at least one cellular base station for which the base station location information is transmitted;

transmitting, from the network, bearing information of the base station;

transmitting bearing angular width information for the cellular base station;

determining the coarse location of the mobile wireless communication device in the network based upon the base station location information, the cellular area of the corresponding cellular base station, and the bearing and the bearing angular width information.

48. (Previously Presented) The method of Claim 47, determining a coarse location of a mobile wireless communication device in the network based upon the base station location information, the cellular area, and the bearing information of the at least one cellular base station.

49. (Canceled)

50. (Canceled)

51. (Previously Presented) The method of Claim 47, measuring power of a signal from the cellular base station, determining the coarse location of the mobile wireless communication device in the network based

upon the base station location information, the cellular area of corresponding cellular base station, the bearing information, and the power measurement.

52. (Previously Presented) The method of Claim 47, transmitting the base station location information, the cellular area, and the bearing information in a Provide Base Station Almanac Message.

53. (Previously Presented) The method of Claim 47, transmitting the base station location information, the cellular area, and the bearing information in a common message.

54. (Canceled)

55. (Canceled)

REMARKS

Request for Reconsideration & Claims Pending

The application stands subject to a FINAL Office Action mailed on 13 June 2011. Reconsideration of the claimed invention in view of the discussion below is respectfully requested.

The claims were amended to further prosecution in light of the Office Action's notification of allowable subject matter. However, the Applicant has not acquiesced other patentable subject matter that the Applicant previously claimed and reserves the right to pursue said subject matter in continuing or future examination of the subject matter.

Claims 34-55 were pending. Claims 39-46, 49-50, and 54-55 were canceled in that their subject matter was incorporated into independent claims 34 and 47.

Prayer For Relief

In view of the amendments above, the Claims of the present application are in condition for allowance. Kindly withdraw any rejections and objections and allow this application to issue as a United States Patent without delay.

Receipt date: 08/08/2011

SOUSSI ET AL

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09651382 - GAU: 2618

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Examiner J. Lee

Art Unit 2618

Respectfully submitted,

/ Stephen H. Shaw /

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